

IN THE CLAIMS:

Please amend claims 2, 5, 6, 10, 13 and 17-23 as follows.

1. (Canceled)

2. (Currently Amended) A transceiver circuit for transmitting and receiving industry-standard data signals, said transceiver circuit comprising:

a transmitter subcircuit transmitting a pulse during a powered-down mode to indicate a ~~live transceiver circuit~~ status, wherein said pulse does not conform to an industry-standard pulse for indicating a ~~live transceiver~~ a power-on status;

a receiver subcircuit;

wherein said transmitter subcircuit and said receiver subcircuit each have its own power supply and means for activation and deactivation; and

wherein when said transmitter subcircuit is in a power-on mode, the transmitter subcircuit transmits the industry-standard pulse for indicating the ~~live transceiver~~ power-on status.

3. (Previously Presented) A transceiver circuit as recited in claim 2 wherein said pulse is a link pulse.

4. (Previously Presented) A transceiver circuit as recited in claim 2 wherein said pulse is a minimally powered pulse.

5. (Currently Amended) A transceiver circuit as recited in claim 2 wherein said pulse conforms to the industry-standard pulse for indicating ~~a live transceiver circuit~~ the power-on status once a signal is received on said receiver subcircuit.

6. (Currently Amended) A transceiver circuit as recited in claim 5 wherein said transceiver enters into auto-negotiation mode to identify ~~said~~ the received signal on said receiver subcircuit.

7. (Previously Presented) A transceiver circuit as recited in claim 2 wherein said receiver subcircuit having a media independent interface for receiving data, and wherein said receiver subcircuit remains power-on during powered-down mode and wherein said pulse is a normal link pulse.

8. (Previously Presented) A transceiver circuit as recited in claim 7 wherein said receiver subcircuit upon receiving activity activates said transceiver into the power-on mode.

9. (Previously Presented) A transceiver circuit as recited in claim 7 wherein said transceiver in power-down mode powers-down all subcircuits except for said transmitter subcircuit and said media independent interface.

10. (Currently Amended) A transceiver circuit for transmitting and receiving industry-standard data signals, said transceiver circuit comprising:

a transmitter subcircuit transmitting a pulse during a powered-down mode to indicate a ~~live-transceiver circuit~~ status, wherein said pulse does not conform to an industry-standard pulse for indicating a ~~live-transceiver~~ a power-on status;

a receiver subcircuit having a media independent interface for receiving data, said receiver subcircuit remains power-on during the powered-down mode;

wherein said transmitter subcircuit and said receiver subcircuit each have its own power supply and means for activation and deactivation; and

wherein when said transmitter subcircuit is in a power-on mode, the transmitter subcircuit transmits the industry-standard pulse for indicating the ~~live-transceiver~~ power-on status.

11. (Previously Presented) A transceiver circuit as recited in claim 10 wherein said pulse is a link pulse.

12. (Previously Presented) A transceiver circuit as recited in claim 10 wherein said pulse is a minimally powered pulse.

13. (Currently Amended) A transceiver circuit as recited in claim 10 wherein said pulse conforms to the industry-standard pulse for indicating a ~~live-transceiver circuit~~ the power-on status once a signal is received on said receiver subcircuit.

14. (Currently Amended) A transceiver circuit as recited in claim 13 wherein said transceiver enters into auto-negotiation mode to identify said the received signal on said receiver subcircuit.

15. (Previously Presented) A transceiver circuit as recited in claim 10 wherein said receiver subcircuit upon receiving activity activates said transceiver into the power-on mode.

16. (Previously Presented) A transceiver circuit as recited in claim 10 wherein said transceiver in the power-down mode powers-down all subcircuits except for said transmitter pulse and said media independent interface subcircuit.

17. (Currently Amended) A transceiver circuit for transmitting and receiving industry-standard data signals, said transceiver circuit comprising:

a transmitter subcircuit transmitting a minimally powered link pulse during a powered-down mode to indicate ~~a live transceiver circuit status~~, wherein said pulse does not conform to an industry-standard pulse for indicating a ~~live transceiver~~ power-on status; and

a receiver subcircuit having a media independent interface for receiving data, said receiver subcircuit remains power-on during the powered-down mode and upon receiving signal activity activates said transceiver into a power-on mode;

wherein said transmitter subcircuit and said receiver subcircuit each have its own power supply and means for activation and deactivation; and

wherein when said transmitter subcircuit is in the power-on mode, the transmitter subcircuit transmits the industry-standard pulse for indicating the ~~live-transceiver~~ power-on status.

18. (Currently Amended) A transceiver circuit as recited in claim 17 wherein said pulse conforms to ~~an~~ the industry-standard pulse for indicating a ~~live-transceiver circuit~~ the power-on status once a signal is received on said receiver subcircuit.

19. (Currently Amended) A transceiver circuit as recited in claim 17 wherein said transceiver enters into auto-negotiation mode to identify ~~said~~ a received signal on said receiver subcircuit.

20. (Currently Amended) A transceiver circuit as recited in claim 17 wherein said transceiver in the power-down mode powers-down all subcircuits except for said transmitter ~~pulse~~ subcircuit and said media independent interface subcircuit.

21. (Currently Amended) A transceiver circuit for transmitting and receiving industry-standard data signals, said transceiver circuit comprising:

transmitter subcircuit means for transmitting a pulse during a powered-down mode to indicate a ~~live-transceiver circuit~~ status, wherein said pulse does not conform to an industry-standard pulse for indicating a ~~live-transceiver~~ power-on status;

receiver subcircuit means for receiving data;

wherein said transmitter subcircuit means and said receiver subcircuit means each have its own power supply and means for activation and deactivation; and

wherein when said transmitter subcircuit is in a power-on mode, the transmitter subcircuit transmits the industry-standard pulse for indicating the ~~live-transceiver~~ power-on status.

22. (Currently Amended) A transceiver circuit for transmitting and receiving industry-standard data signals, said transceiver circuit comprising:

transmitter subcircuit means for transmitting a pulse during a powered-down mode to indicate a ~~live-transceiver-circuit~~ status, wherein said pulse does not conform to an industry-standard pulse for indicating a ~~live-transceiver~~ power-on status;

receiver subcircuit means for having a media independent interface for receiving data, said receiver subcircuit remains power-on during powered-down mode;

wherein said transmitter subcircuit means and said receiver subcircuit means each have its own power supply and means for activation and deactivation; and

wherein when said transmitter subcircuit is in a power-on mode, the transmitter subcircuit transmits the industry-standard pulse for indicating the ~~live-transceiver~~ power-on status.

23. (Currently Amended) A transceiver circuit for transmitting and receiving industry-standard data signals, said transceiver circuit comprising:

a transmitter subcircuit means for transmitting a minimally powered link pulse during a powered-down mode to indicate a ~~live transceiver circuit~~ status, said pulse does not conform to an industry-standard pulse for indicating a ~~live transceiver~~ power-on status; and

a receiver subcircuit means having a media independent interface for receiving data, said receiver subcircuit remains power-on during powered-down mode and upon receiving signal activity activates said transceiver into a power-on mode;

wherein said transmitter subcircuit means and said receiver subcircuit means each have its own power supply and means for activation and deactivation; and

wherein when said transmitter subcircuit is in the power-on mode, the transmitter subcircuit transmits the industry-standard pulse for indicating the ~~live transceiver~~ power-on status.